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(Cerner Corporation) TIMBLIN, ROBERT M Intellectual Property Department			ROBERT M	
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# Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)	
	10/749,524	BRACKETT ET AL.	
Office Action Summary	Examiner	Art Unit	
	ROBERT TIMBLIN	2167	
The MAILING DATE of this communication a Period for Reply	ppears on the cover sheet w	ith the correspondence address	s
A SHORTENED STATUTORY PERIOD FOR REP WHICHEVER IS LONGER, FROM THE MAILING  - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory perions Failure to reply within the set or extended period for reply will, by status Any reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNI  1.136(a). In no event, however, may a lid will apply and will expire SIX (6) MONute, cause the application to become Ali	CATION. reply be timely filed  NTHS from the mailing date of this commun BANDONED (35 U.S.C. § 133).	
Status			
1) ☐ Responsive to communication(s) filed on 23 2a) ☐ This action is FINAL. 2b) ☐ Th 3) ☐ Since this application is in condition for allow closed in accordance with the practice under	nis action is non-final. vance except for formal mat	•	its is
Disposition of Claims			
4) ☑ Claim(s) 30-47 is/are pending in the applicat 4a) Of the above claim(s) is/are withdr 5) ☐ Claim(s) is/are allowed. 6) ☑ Claim(s) 30-47 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and	rawn from consideration.		
Application Papers			
9) The specification is objected to by the Examination The drawing(s) filed on is/are: a) and a specificant may not request that any objection to the Replacement drawing sheet(s) including the correction.  11) The oath or declaration is objected to by the least or the specific specifi	ccepted or b) objected to the drawing(s) be held in abeyare the drawing	nce. See 37 CFR 1.85(a). (s) is objected to. See 37 CFR 1.1	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:  1. Certified copies of the priority docume 2. Certified copies of the priority docume 3. Copies of the certified copies of the priority docume application from the International Bure * See the attached detailed Office action for a list	nts have been received. nts have been received in A iority documents have been au (PCT Rule 17.2(a)).	application No received in this National Stag	e
Attachment(s)			
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	Paper No(	Summary (PTO-413) s)/Mail Date nformal Patent Application 	

#### **DETAILED ACTION**

This office action corresponds to application 10/749,524 which was filed 1/2/2004.

#### **Response to Amendment**

In the reply filed 12/23/2010, claims 30, 36, and 42 have been amended. No claims have been added or canceled. Claims 30-47 currently stand pending.

# Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 30-32, 36-38, and 42-44 are rejected under 35 U.S.C. 103(a) as being unpatentable over Rothschild et al. ('Rothschild' hereafter, U.S. Patent Application 2002/0016718) in view of Eldar et al. ("Eldar" hereafter, U.S. Patent 7,290,011).

With respect to claim 30, Rothschild teaches A computerized method for managing studies transferred from at least one acquisition device to a study process server in order to transfer the studies to at least one review station, the computerized method comprising:

without having previously distributed the studies to a review station (0144):

automatically sorting (0253 and Fig. 12; "The relational database may, for example, organize the images based on patient, study, sequence and image." Therein, organizing images

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is interpreted as sorting) the studies (0207, 0253, 0255; e.g. patient medical records and images) into a plurality of working sets (see 0253 wherein the images are organized based on patient, study, sequence, and image) at the study process server (0027; e.g. an iPACS Web server and Figs. 4 and 11-21; e.g. a medical image management system), each working set comprising a collection of studies (0246; e.g. a number of images) to be reviewed by at least one clinician (0167; e.g. the image delivery will take place in the background and be ready for physician or doctor review) as a set (0143; e.g. a set of images associated with a patient), and

automatically selecting a subset of studies from am first working set to be transferred to a review station (0242 wherein prefetch logic marks identified files for delivery and 0266 where all or part of the files are designated for the viewer), and

automatically transferring (0098; "A poll request from a viewer allows the data center to deliver the data to the remote viewer so that it is available at the remote viewer when a physician or other user needs it".) the subset (0242 and 0261; e.g. images marked for delivery) of studies (0242; e.g. files (images) marked for delivery) from a first working set (0143; e.g. a set of images associated with a patient) from the study process server (0027; e.g. an iPACS Web server and Figs. 4 and 11-21; e.g. a medical image management system) to a review station (viewing station 425, Fig. 11) such that the subset of studies from the first working set is available for review (0167; e.g. image delivery will take place in the background and be on the physician's desktop ready for review) at the review station (viewing station 425, Fig. 11) upon detecting a login (see 0085 teaching that a workstation polls for queued data upon occurrence of a predetermined triggering event such as a log in. See further paragraph 0264 wherein when an event such as logging in has occurred, a poller polls the data center for ready messages.

Paragraph 0098 teaches that queued files are files ready for delivery. Accordingly, Rothschild teaches that marked images (e.g. a subset of patient images) that are ready for review are transferred upon detecting a log in);

after completing transfer of the subset (Fig. 15B, drawing reference 533) of studies from the first working set to the review station (0264; e.g. the images have been received), monitoring the review station for clinician review of the subset of studies from the first working set (0264; e.g. "If it is the first viewing of the study 567 then a status message is sent to the data center that the study has been viewed 568". See also paragraph 0240 wherein programmed logic is provided to track the viewing of files);

detecting a clinician reviewing the subset of studies from the first working set at the review station (Fig. 15B, drawing reference 537 and 0240 wherein viewing of files are tracked); and

populating the review station with additional studies from the first working set (0265; e.g. periodically polling for ready messages and images. Therein it is interpreted that more images are retrieved).

Rothschild is interpreted to teach populating the review station with additional studies but does not appear to teach populating the review station with additional studies upon detecting the clinician reviewing the subset of studies from the first working set at the review station.

Eldar, however, teaches populating the review station with additional studies (col. 13 lines 22-23; e.g. requesting additional ROIs (regions of interest) from the publication server) upon detecting the clinician reviewing the subset of studies from the first working set at the review station (col. 13 lines 6-23; "If there are additional requests for ROIs (i.e. the user

continues to interact with the image) (step 138), then the method continues with step 136 and requests the additional ROIs from the publication server.") for sending additional regions of interest as a user interacts with a transmitted image.

Accordingly in the same field of endeavor, (i.e. transmitting patient studies), it would have been obvious to one of ordinary skill in the data processing art at the time of the present invention to combine the teachings of the cited references because the teachings of Eldar would have given a physician of Rothschild the ability to conveniently retrieve additional images of a patient when an image is being reviewed. Rothschild discloses such a need for additional regions of interest in paragraph 0143 (e.g. "...a set of images associated with a targeted region of a patient's body) and further the need for convenience of obtaining images (0162). Moreover, the teachings of Eldar would have provided Rothschild with the benefit of overcoming the limitation of transferring studies over a slow connection (as provided by Eldar, col. 2 lines 39-41 and needed by Rothschild, paragraph 0171 wherein a concern for bandwidth is disclosed).

With respect to claim 31, Rothschild teaches the method of claim 30, further comprising distributing the subset of studies from the first working set to each of a plurality of review stations (0163).

With respect to claim 32, Rothschild teaches the method of claim 30, further comprising implementing a predictive algorithm to identify a set of review stations and distributing the subset of studies from the first working set to the identified review stations (0087; e.g. a push system for automatically sending image data).

With respect to claim 36, Rothschild teaches One or more computer storage media storing computer-useable instruction that, when used by a computing device, cause the computing device to perform a computerized method for managing studies transferred from at least one acquisition device to a study process server in order to transfer the studies to at least one review station, the computerized method comprising:

without having previously distributed the studies to a review station (0144):

automatically sorting (0253 and Fig. 12; "The relational database may, for example, organize the images based on patient, study, sequence and image." Therein, organizing images is interpreted as sorting) the studies (0207, 0253, 0255; e.g. patient medical records and images) into a plurality of working sets (see 0253 wherein the images are organized based on patient, study, sequence and image) at the study process server (0027; e.g. an iPACS Web server and Figs. 4 and 11-21; e.g. a medical image management system), each working set comprising a collection of studies (0246; e.g. a number of images) to be reviewed by at least one clinician (0167; e.g. the image delivery will take place in the background and be ready for physician or doctor review) as a set (0143; e.g. a set of images associated with a patient), and

automatically selecting a subset of studies from am first working set to be transferred to a review station (0242 wherein prefetch logic marks identified files for delivery and 0266 where all or part of the files are designated for the viewer), and

automatically transferring (0098; "A poll request from a viewer allows the data center to deliver the data to the remote viewer so that it is available at the remote viewer when a physician or other user needs it".) a subset (0242 and 0261; e.g. images marked for delivery) of studies Art Unit: 2167

(0242; e.g. files (images) marked for delivery) from a first working set (0143; e.g. a set of images associated with a patient) from the study process server (0027; e.g. an iPACS Web server and Figs. 4 and 11-21; e.g. a medical image management system) to a review station (viewing station 425, Fig. 11) such that the subset of studies from the first working set is available for review (0167; e.g. image delivery will take place in the background and be on the physician's desktop ready for review) at the review station (viewing station 425, Fig. 11) upon detecting a login (see 0085 teaching that a workstation polls for queued data upon occurrence of a predetermined triggering event such as a log in. See further paragraph 0264 wherein when an event such as logging in has occurred, a poller polls the data center for ready messages. Paragraph 0098 teaches that queued files are files ready for delivery. Accordingly, Rothschild teaches that marked images (e.g. a subset of patient images) that are ready for review are transferred upon detecting a log in);

after completing transfer of the subset of studies (Fig. 15B, drawing reference 533) from the first working set to the review station (0264; e.g. the images have been received), monitoring the review station for clinician review of the subset of studies from the first working set (0264; e.g. "If it is the first viewing of the study 567 then a status message is sent to the data center that the study has been viewed 568". See also paragraph 0240 wherein programmed logic is provided to track the viewing of files);

detecting a clinician reviewing the subset of studies from the first working set at the review station (Fig. 15B, drawing reference 537 and 0240 wherein viewing of files are tracked); and

populating the review station with additional studies from the first working set (0265; e.g. periodically polling for ready messages and images. Therein it is interpreted that more images are retrieved).

Rothschild is interpreted to teach populating the review station with additional studies but does not appear to teach populating the review station with additional studies upon detecting the clinician reviewing the subset of studies from the first working set at the review station.

Eldar, however, teaches populating the review station with additional studies (col. 13 lines 22-23; e.g. requesting additional ROIs (regions of interest) from the publication server) upon detecting the clinician reviewing the subset of studies from the first working set at the review station (col. 13 lines 6-23; "i.e. the user continues to interact with the image) (step 138), then the method continues with step 136 and requests the additional ROIs from the publication server.") for sending additional regions of interest as a user interacts with a transmitted image.

Accordingly in the same field of endeavor, (i.e. transmitting patient studies), it would have been obvious to one of ordinary skill in the data processing art at the time of the present invention to combine the teachings of the cited references because the teachings of Eldar would have given a physician of Rothschild the ability to conveniently retrieve additional images of a patient when an image is being reviewed. Rothschild discloses such a need for additional regions of interest in paragraph 0143 (e.g. "...a set of images associated with a targeted region of a patient's body) and further the need for convenience of obtaining images (0162). Moreover, the teachings of Eldar would have provided Rothschild with the benefit of overcoming the limitation of transferring studies over a slow connection (as provided by Eldar, col. 2 lines 39-41 and needed by Rothschild, paragraph 0171 wherein a concern for bandwidth is disclosed).

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With respect to claim 37, Rothschild teaches the one or more computer storage media of claim 36, further comprising distributing the subset of studies from the first working set to each of a plurality of review stations (0163).

With respect to claim 38, Rothschild teaches the one or more computer storage media of claim 36, further comprising implementing a predictive algorithm to identify a set of review stations and distributing the subset of studies from the first working set to the identified review stations (0087; e.g. a push system for automatically sending image data).

With respect to claim 42, Rothschild teaches A system for managing studies transferred from at least one acquisition device to a study process server in order to transfer the studies to at least one review station, the system including at least one processor and one or more computer storage media having a plurality of modules embodied thereon, the modules comprising:

a study sorting module (0240 and drawing reference 450) that automatically sorts (0253 and Fig. 12; "The relational database may, for example, organize the images based on patient, study, sequence and image." Therein, organizing images is interpreted as sorting) studies received by the study process server from the at least one acquisition device (0255 and drawing reference 411) into a plurality of working sets (see 0253 wherein the images are organized based on patient, study, sequence and image), each working set comprising a collection of studies (0246; e.g. a number of images) to be reviewed by at least one clinician (0167; e.g. the image

delivery will take place in the background and be ready for physician or doctor review) as a set (0143; e.g. a set of images associated with a patient);

a study distribution (drawing reference 442 and 0243-0244; e.g. program logic that includes prefetch logic 445 and delivery logic) module that automatically selects a subset of studies from the first working set (0242 wherein prefetch logic marks identified files for delivery and 0266 where all or part of the files are designated for the viewer) and distributes and the subset of studies (0244 wherein the delivery logic identifies the files marked for delivery and submits them for delivery to a viewer) from a first working set to a review station such that the subset of studies from the first working set is available on demand for review by a clinician at the review station (0167; e.g. image delivery will take place in the background and be on the physician's desktop ready for review); and

a study control module (0104; e.g. a tracking system) that monitors the review station for clinician review of the subset of studies from the first working set after the subset of studies have been transferred to the review station (0264; e.g. "If it is the first viewing of the study 567 then a status message is sent to the data center that the study has been viewed 568". See also paragraph 0240 wherein programmed logic is provided to track the viewing of files).

Rothschild does not appear to teach causing additional studies from the first working set to be transferred to the review station upon detecting a clinician reviewing the subset of studies from the first working set at the review station.

Eldar, however, teaches causing additional studies from the first working set to be transferred to the review station (col. 13 lines 22-23; e.g. requesting additional ROIs (regions of interest) upon detecting a clinician reviewing the subset of studies from the first working set at

the review station (col. 13 lines 6-23; "i.e. the user continues to interact with the image) (step 138), then the method continues with step 136 and requests the additional ROIs from the *publication server*.") for sending additional regions of interest as a user interacts with a transmitted image.

Accordingly in the same field of endeavor, (i.e. transmitting patient studies), it would have been obvious to one of ordinary skill in the data processing art at the time of the present invention to combine the teachings of the cited references because the teachings of Eldar would have given a physician of Rothschild the ability to conveniently retrieve additional images of a patient when an image is being reviewed. Rothschild discloses such a need for additional regions of interest in paragraph 0143 (e.g. "...a set of images associated with a targeted region of a patient's body) and further the need for convenience of obtaining images (0162). Moreover, the teachings of Eldar would have provided Rothschild with the benefit of overcoming the limitation of transferring studies over a slow connection (as provided by Eldar, col. 2 lines 39-41 and needed by Rothschild, paragraph 0171 wherein a concern for bandwidth is disclosed).

With respect to claim 43, Rothschild teaches the system of claim 42, wherein the study distribution module distributes the subset of studies from the first working set to each of a plurality of review stations (0163).

With respect to claim 44, Rothschild teaches the system of claim 42, wherein the study distribution module implements a predictive algorithm to identify a set of review stations and

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distributes the subset of studies from the first working set to the identified review stations (0087; e.g. a push system for automatically sending image data).

Claims 33, 34, 39, 40, 45, and 46 are rejected under 35 U.S.C. 103(a) as being unpatentable over the combination of Rothschild and Eldar and further in view of Cooke, Jr. et. al. ("Cooke" hereafter, U.S. Patent 6,574,629).

With respect to claim 33, Rothschild and Eldar do not appear to teach the method of claim 30, further comprising continuously monitoring the review station to determine if review of a study from the first working set has been completed and removing the study from the first working set after review of the study has been completed.

Cook, however, teaches continuously monitoring the review station to determine if review of a study from the first working set has been completed and removing the study from the first working set after review of the study has been completed (col. 21 lines 46-55) for deleting a study.

Accordingly, in the same field of endeavor, (i.e. patient studies), it would have been obvious to one of ordinary skill in the data processing art at the time of the present invention to combine the teachings of the cited references because Cooke would have given Rothschild and Eldar the ability to efficiently manage cache consumption in order to protect a cache from "overflowing" (as provided by Cooke col. 9 lines 35-42).

With respect to claim 34, Rothschild and Eldar do not appear to teach the method of claim 33, further comprising deleting the study from at least one other review station in response to determining that review of the study has been completed.

Cooke, however, teaches deleting the study from at least one other review station in response to determining that review of the study has been completed (col. 21 lines 46-55). Accordingly, as claim 34 depends upon claim 33, the same motivation used therein applies to this claim.

With respect to claim 39, Rothschild and Eldar do not appear to teach the one or more computer storage media of claim 36, further comprising continuously monitoring the review station to determine if review of a study from the first working set has been completed and removing the study from the first working set after review of the study has been completed.

Cooke, however, teaches continuously monitoring the review station to determine if review of a study from the first working set has been completed and removing the study from the first working set after review of the study has been completed (col. 21 lines 46-55) for deleting a study.

Accordingly, in the same field of endeavor, (i.e. patient studies), it would have been obvious to one of ordinary skill in the data processing art at the time of the present invention to combine the teachings of the cited references because Cooke would have given Rothschild and Eldar the ability to efficiently manage cache consumption in order to protect a cache from "overflowing" (as provided by Cooke col. 9 lines 35-42).

With respect to claim 40, Rothschild and Eldar do not appear to teach the one or more computer storage media of claim 39, further comprising deleting the study from at least one other review station in response to determining that review of the study has been completed.

Cooke, however, teaches deleting the study from at least one other review station in response to determining that review of the study has been completed (col. 21 lines 46-55. Accordingly, as claim 40 depends upon claim 39, the same motivation used therein applies to this claim.

With respect to claim 45, Rothschild and Eldar do not appear to teach the system of claim 42, wherein the study control module continuously monitors the review station to determine if review of a study from the first working set has been completed and removes the study from the first working set after review of the study has been completed.

Cooke, however, teaches continuously monitoring the review station to determine if review of a study from the first working set has been completed and removing the study from the first working set after review of the study has been completed (col. 21 lines 46-55) for deleting a study.

Accordingly, in the same field of endeavor, (i.e. patient studies), it would have been obvious to one of ordinary skill in the data processing art at the time of the present invention to combine the teachings of the cited references because Cooke would have given Rothschild and Eldar the ability to efficiently manage cache consumption in order to protect a cache from "overflowing" (as provided by Cooke col. 9 lines 35-42).

With respect to claim 46, Rothschild and Eldar do not appear to teach the system of claim 45, wherein the study is deleted from at least one other review station in response to determining that review of the study has been completed.

Cooke, however, teaches deleting the study from at least one other review station in response to determining that review of the study has been completed (col. 21 lines 46-55. Accordingly, as claim 46 depends upon claim 45, the same motivation used therein applies to this claim.

Claims 35, 41, and 47 are rejected under 35 U.S.C. 103(a) as being unpatentable over the combination of Rothschild and Eldar and further in view of Fuller (U.S. Patent Application 2005/0050552)

With respect to claim 35, Rothschild and Eldar do not appear to teach the method of claim 30, further comprising monitoring the review station for a low buffer threshold and repopulating the review station with an additional subset of studies upon reaching the low buffer threshold.

Fuller, however, teaches monitoring the review station for a low buffer threshold and repopulating the review station with an additional subset of studies upon reaching the low buffer threshold (0019 and figure 3) to ensure requested data are available for immediate delivery.

It would have been obvious to one of ordinary skill in the data processing art at the time of the present invention to combine the teachings of the cited references because Fuller's system would have provided Rothschild and Eldar with enhancing the likelihood that the requested data

are available for immediate delivery (Fuller, 0004). Thus, Fuller would have provided a method to further reduce image analysis to aid a busy physician (needed by Rothschild, 0162).

With respect to claim 41, Rothschild and Eldar do not appear to teach the one or more computer storage media of claim 36, further comprising monitoring the review station for a low buffer threshold and re-populating the review station with an additional subset of studies upon reaching the low buffer threshold.

Fuller, however, teaches monitoring the review station for a low buffer threshold and repopulating the review station with an additional subset of studies upon reaching the low buffer threshold (0019 and figure 3) to ensure requested data are available for immediate delivery.

It would have been obvious to one of ordinary skill in the data processing art at the time of the present invention to combine the teachings of the cited references because Fuller's system would have provided Rothschild and Eldar with enhancing the likelihood that the requested data are available for immediate delivery (Fuller, 0004). Thus, Fuller would have provided a method to further reduce image analysis to aid a busy physician (needed by Rothschild, 0162).

With respect to claim 47, Rothschild and Eldar do not appear to teach the system of claim 42, wherein the study control module monitors the review station for a low buffer threshold and re-populates the review station with an additional subset of studies upon reaching the low buffer threshold.

Fuller, however, teaches monitoring the review station for a low buffer threshold and repopulating the review station with an additional subset of studies upon reaching the low buffer threshold (0019 and figure 3) to ensure requested data are available for immediate delivery.

It would have been obvious to one of ordinary skill in the data processing art at the time of the present invention to combine the teachings of the cited references because Fuller's system would have provided Rothschild and Eldar with enhancing the likelihood that the requested data are available for immediate delivery (Fuller, 0004). Thus, Fuller would have provide a method to further reduce image analysis to aid a busy physician (needed by Rothschild, 0162).

#### **Response to Arguments**

Applicant's arguments filed 12/23/2010 have been fully considered but they are not persuasive.

On pages 8-9 of the remarks, Applicant argues that Rothschild and Eldar, either alone or in combination, fail to teach or suggest the features of sorting studies into working sets, sending only a subset of studies from a working set to a review station, monitoring for clinician review of the subset of studies from the working set at the review station, and then transferring additional studies from that working set to the review station when physician review of the subset is detected at the review station as in independent claims 30, 36, and 42. As recited and clarified in the rejection above due to the amendments, Examiner respectfully disagrees and submits that Rothschld and Eldar teach the aforementioned limitations.

Further on page 9, Applicant submits that the cited references teach an all or nothing approach. Examiner respectfully disagrees and submits that at least Rothschild teaches only sending files that are ready for review (Rothschild, 0244). Such files are identified by prefetch logic and marked ready for delivery (Rothschild, 0242). Other images may be withheld according to awaiting verification (e.g. according to administrative review – Rothschild, 0105 and 0242). Subsequently the messages that are ready are transferred to a review station (Rothschild 0244). See also Fig. 15B in Rothschild wherein the data center is continuously polled for files marked ready for delivery, as they become available. Therein, additional studies are retrieved.

As such, Rothschild may be seen to teach working sets, for example, as organized patient data comprising files, sending a subset of these files (i.e., the files marked for ready for delivery), and monitoring clinician review (0264; e.g. "If it is the first viewing of the study 567 then a status message is sent to the data center that the study has been viewed 568". See also paragraph 0240 wherein programmed logic is provided to track the viewing of files).

In the combination of references, Eldar adds the aspect of transferring additional studies when clinician review is detected (col. 13 lines 22-23). That is, Eldar provides teachings of monitoring user interaction with an image and subsequently, requests additional images for the benefit described above.

Even further, Eldar teaches receiving a subset of data (e.g. col. 13 line 4-5 by opening a study that is not completely received) and thereafter retrieving more of the study in response to user interaction (i.e. in response to detecting clinician review). It is dually noted from Applicant's remarks (p. 10) that Eldar states "The images are forwarded to users as they become

available on an image storage device". As the user interacts, additional ROIs are requested from the server (Eldar, col. 13 lines 20-23). Herein it is also interpreted that a subset of images are sent (i.e. the ones that become available and therefore identified), rather than an all or nothing approach. Accordingly, Eldar also teaches sending a subset, rather than the all or nothing approach as argued by Applicant, page 10.

## Conclusion

**THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

## **Contact Information**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ROBERT TIMBLIN whose telephone number is (571)272-5627. The examiner can normally be reached on M-Th 8:30-5:00.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, John R. Cottingham can be reached on 571-272-7079. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

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like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/ROBERT TIMBLIN/

Primary Examiner, Art Unit 2167